



Quintet Wins Fourth Game In Thriller

Farrell's Foul In Closing Seconds Beats Bates 39-38

HARDEST GAMES AHEAD

A foul shot from the hands of "Hap" Farrell in the last fifteen seconds of the basketball game against Bates at Lewiston, Maine, last Saturday night gave Tech their fourth basketball victory in five starts, 39-38.

The game was a thriller from the beginning with Bates getting off to an early lead 6 to 1, but a Tech spurt aided by baskets by Schneider and Samuels gave Tech a two-point lead at the end of the first quarter.

Bates Starts Strong

In the second quarter Tech played some of the best basketball they have shown all year and piled up a ten point lead at the half. However just before half, Tech lost the services of their star center, Paul Schneider, who was put out of the game on fouls. This was to have a bearing on the rest of the game.

Tech Lead Overcome in 4th Period

At the beginning of the second half, the Bates team showed they were not yet beaten and they began to sink seemingly impossible shots from all over the floor. Before the third period had ended they had come

(Continued on Page 3)

Basketball

Mutual Network Carries Debate

New York University Next Opponent Of Oratorical Men-in-Arms

Inspired by the weekend victory of two of its representatives against Rensselaer Polytechnic Institute, the Debating Society will take part in a radio discussion of the United States' rearmament program in a debate emanating from New York next Saturday afternoon.

Debating the negative of the question "Resolved that the United States should establish an alliance with Great Britain", Nicholas Shoumatoff, '39, and I. Seth Levine, '40, defeated a visiting R.P.I. team last Saturday evening in the Eastman Lecture Hall.

The team which will meet New York University in a radio debate to be carried by stations of the mutual network, originating at WHN at 5 P.M. on the afternoon of Saturday, January 11, will include L. Hurley Bloom, '40, and Russell T. Werby, '40. The former is President, the latter manager of the Debating Society. The Institute men will defend the present rearmament policy of the United States.

Gerard Swope, General Electric Head, Suggested Formation Of Honors-Group

About fourteen years ago Mr. Gerard Swope of the General Electric Company called on Professor Douglass C. Jackson, then head of the department of Electrical Engineering. Mr. Swope had just returned from England where he had visited the famous universities, Cambridge and Oxford. He had been impressed by the tutorial system of these institutions by which brilliant students could develop more freely and more according to their inclination, than under the American Educational system. Owing to the influence of Mr. Swope and the enthusiasm of Professor Jackson the Institute's Honor Group plan came into existence.

New Protest Petition Is Presented By Students

Another petition, this time protesting the "unjustified interpretation" of the Institute Committee concerning the first protest over Field Day damage responsibility, was signed by 82 students and presented last night to William F. Wingard, '39, president of the senior class.

This time the suggestion is that "the money be paid from the class treasuries of the Classes of 1941 and 1942, in proportion to the amount of damage done by each class, if such proportional responsibility be conclusively established."

Prof. de Forest Presented Reed Award For 1938

Is Honored By Aeronautical Society For Magnetic Testing Device

Professor Alfred V. de Forest of the department of mechanical engineering has been selected this year to receive the Sylvanus Albert Reed Award conferred annually by the Institute of the Aeronautical Sciences for a notable contribution to aeronautics. The award will be made in New York on January 27th.

"The development of a method generally used by the aircraft industry for testing materials magnetically" was given as reason for his selection. The method, known as magnaflux, depends upon the fact that small iron particles tend to collect on cracks in magnetized steel parts. Professor de Forest has found that heavy currents through the material greatly increase the sensitivity of the test. Also, better magnetic powders have been developed.

Was Student at Tech

Professor de Forest was educated at Middlesex School, Concord and was de Forest

(Continued on Page 4)

Clothes Admission Fee To Catholic Club Dance

Setting the unusual admission fee of 45 cents and a bundle of old clothing per person, or 75 cents straight admission, the Federation of College Catholic Clubs dance, to be held in Walker Memorial on Friday, the 13th of January, will feature the music of Jackie Ford and his orchestra.

The dance is a charitable affair, and all proceeds are to be donated to a worthy cause. All members of the student body, whether belonging to the Catholic Club, or not are invited to attend. Dates will be no problem, for stages will be well supplied with young ladies from the various girls' colleges in the vicinity.

(Continued on page 2)
Honors Group

Larry Clinton's Orchestra, Selected By Poll Of Class, Will Play For Junior Prom

Invisible Glass Fake Exposed

Exhibit In Eastman Shown Work Of Practical Pranksters

An attempt to hoodwink Technology students was neatly foiled yesterday through the efforts of several of THE TECH reporters, when an alleged exhibit of "invisible glass" was exposed as a total fraud.

The Society For The Advancement of Useless Research, prominent faculty activity, it was learned, sponsored the exhibit, consisting of a showcase with an ordinary glass beaker, showing glass before treatment, as explained by a card attached to the top of the beaker, and another card, suspended in midair from behind supposedly resting on the top of the "invisible glass" beaker.

Tested By THE TECH

The application of several qualitative tests to the exhibit showed almost conclusively that no glass was present where the "invisible glass" beaker

(Continued on Page 3)

Glass

The Tech Inquires

Question: What do you think of the plan to train college students to be Air Corps Reserve Pilots?

D. Nickerson, '42, Commuter, II

It is probably one of the best ways of building up the potential air force of this country, and I think at the present time an increase in the Air Force is absolutely necessary.

F. H. Turner, '41, Fraternity, XV-1

The plan to train college students as Air Reserve Pilots would be a very good idea if it's carried out in the proper way and the students are actually trained according to Air Corps Reserve standards, but the whole idea looks like another New Deal trick to buy votes to me.

W. G. Kussmaul, Jr., '41, Dorms, X

The plan is an excellent one and it would be readily accepted by college students. It would present an opportunity to learn to fly for pleasure as well as provide a more adequate defense for this country. The production of small, inexpensive sport planes would be immeasurably increased.

H. Schwiebert, '40, Fraternity, X

I believe it an excellent idea.

(Continued on Page 4)

Tech Inquires

Students With Colds May Help Institute Research

For the purpose of experimental research into the characteristics of the common cold, the Biology Department desires to obtain nasal washings from individuals who are just coming down with a cold.

Any person who would cooperate in the task of finding the cause and cure of the most flagrant disease should get in touch with Howard W. Lundy in Room 10-441.

January 13 Is Deadline For Registration Blanks

Registration material must be returned to Room 3-107 before 1 p.m., Friday, January 13, to avoid the fine of \$5.00. Deliver directly to Room 3-107.

Walker Decorated In Cabaret Style For Senior Dance

Only Seniors And Graduates Admitted To Annual Swing Session

Gene Dennis and his orchestra, supported by the Ross Trio and the Morgan brothers, supplied the musical accompaniment for the Senior dance which was held last Friday evening in the Main Hall of Walker Memorial.

This dance was free to all Seniors and Graduate students who were accompanied by dates; moreover underclassmen and stags were specifically barred. The guests varied their dancing with games of bowling and other Walker activities.

The orchestra, featuring Edna Creighton is well known to Institute men, having played for the Christmas Dormitory Dance.

Invited Guests

Among the invited guests were President and Mrs. Karl T. Compton, Dean Harold E. Loddell, Mr. and Mrs. Horace S. Ford, Professor and Mrs. A. A. Shaeffer, Professor and Mrs. L. F. Hamilton, Mr. Jack Wood, Mr. and Mrs. Nathaniel McL. Sage, and Professor Avery A. Ashdown.

The committee in charge of the affair was composed of George Beesley, Aaron White, and Harold R. Seykota, Chairman.

A.S.U. To Present Movie On Agricultural Subject

"The Plow that Broke the Plains", a thirty minute sound film dealing with farming will be presented by the American Student Union in Room 10-250 on Thursday, January 12, at 5:00 p.m.

Offered free to the student body and their friends, the film, loaned by the National Resources Council, treats soil conservation and irrigation, as well as some other problems facing the farmers of the once fecund wheat fields.

The film, although of an agricultural motif, should be of interest to the student body because of the chemical and engineering difficulties involved.

Large Majority Of Class Chooses Clinton

Evening Of March Third Is Selected; Location Unannounced

Larry Clinton, winner by a large majority in the recent popularity poll conducted among members of the Junior Class, has been engaged for the annual Junior Prom to be held March 3, it was announced by the committee yesterday. The Class of 1940 favored Clinton and his orchestra over such prominent swingmakers as Benny Goodman, Tommy Dorsey, and Artie Shaw.

In addition to being one of the nation's leading orchestra leaders, Larry Clinton is also well known as a composer of many current hit songs. The "Dipsy Doodle," "Satan Takes a Holiday," "The Big Dipper," and "Reverie" have been among the outstanding popular tunes to come from his talented baton.

Rises to Sudden Popularity

The results of the poll are not surprising in view of Clinton's overnight rise to nationwide popularity. Less than a year ago his orchestra was

(Continued on Page 4)

Prom

A.I.E.E. Honors Prof. D. Jackson For Leadership

Will Receive Edison Medal At Annual Convention January 25

Doctor Dugald C. Jackson, professor emeritus of electrical engineering at Technology, has been awarded the 1938 Edison Medal of the American Institute of Electrical Engineers, the highest award in electrical engineering.

The award was made to Doctor Jackson "for outstanding and inspiring leadership in engineering education and in the fields of generation and distribution to electric power." The presentation will be made on the evening of Wednesday, January 25, during the annual winter convention of the Institute, which will be held in the Engineering Societies Building, New York City.

Since his graduation from Pennsylvania State College in 1885, Professor

(Continued on Page 4)

Jackson

Ghostly Apparition In New Rogers Building Is Unmasked By Reporter

The Institute has long been known as a place where the occupants are usually slightly screwy; for this reason THE TECH'S reporter was not astonished when he saw the automatic doors on the Rogers Building lobby apparently opening and closing of their own accord—he just thought he was screwy too.

This action, however, greatly intrigued him so he decided to apply logic to the case. The facts were; (1) He had not visited a bar in eighteen hours; (2) He was apparently in good health; (3) No one was near the doors, but the doors were open-

ing and closing. SPOOKS!

But again the cold technical logic asserted itself; ghosts, being invisible to the human eye, must also be invisible to the electric eye and, therefore, could not possibly have been operating the doors. Determined to discover a material explanation for this ghostly manifestation, the reporter sought out an authority on the subject.

Explanation Unfolded

"The only ghost loose in the Rogers Building was a technician setting the

(Continued on Page 2)

Ghosts

The Tech

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SOPHOMORES

STALLING

Sufficient objection to the recent Institute Committee action in ruling that the cost of the flag flying incident be divided equally between the classes involved has brought forth a petition from the Sophomores to have the matter referred to the student body. From all appearances, it is mainly intended just to "see what will happen." As everything about the petition seems to be in good order, the Institute Committee will probably have to see that a poll is held. This means a lot of work for the men who have to operate the poll, which is hardly worthwhile, considering the question involved and the approaching exams.

There is no question to be settled, other than the division of the expense of a Freshman-Sophomore prank, and as the final results of a re-division will probably not be far from the present distribution, it is doubtful if anything will actually be gained. The fifty-fifty decision may seem to have been made with little consideration of what property each class actually destroyed with its hands, but that is a fairly narrow way of considering the problem as very few facts can be positively verified. The prank was done in the spirit of good clean fun, and we feel it should be paid for in a similar manner. This poll and petition will only put off payment and cause extra work.

SAFETY

ON THE HIGHWAY

This past year has been one of the safest as far as accident on the highways are concerned, but there is still a lot to be done along this same line. It is evident that a considerable number of drivers must have learned to drive more carefully, but there are still a large number of people who do not

seem to understand that their driving is dangerous. These people, who think that "It Always Happens to Someone Else," are still a grave menace to life-loving humanity as brought out in an article, by J. F. Dinneen, in the February, 1939, issue of "Redbook."

Not all, but many, students are in this group as they think that they know more about driving than anyone else. They continually take chances, and subsequently discover circumstances even they had not foreseen. Intelligent drivers can expect to be far above the average in frequency of accidents, and many slightly careless people may never meet up with disaster on the road, but there is no cause for their pushing good luck to an extreme.

This is not a plea to everyone to drive more slowly or more sanely, but is directed primarily at those of us who are cocky about our ability to get places at our own pace. There are a multitude of sins that drivers commit, and only if each driver makes an estimate of his aptitude and his bad habits can there ever be a better balance of his qualities. Perhaps many drivers can learn only by actually getting a jolt themselves, but we students should be sufficiently used to taking advice from teachers and other peoples' experience that we can change our ways before we kill someone else or ourselves.

CUTTING DOWN

ON WET FEET

It is with considerable satisfaction that we notice recent work toward making the parking space behind building ten accessible during wet weather. This was a project we proposed almost a year ago, and are glad of the satisfaction that our idea has finally brought constructive action.

SCIENCE IN BRIEF

By ARTHUR M. YORK, '35

Our Helium Supply

Helium, the gas which has played such an important role in the development of lighter-than-air craft, is continually being lost from and added to the earth's atmosphere. Depletion of the supply of helium in the air is caused by the collision of helium atoms with oxygen atoms which are in a metastable or "super excited" state, scientists believe. In such collisions, the surplus energy of the metastable atoms is transferred to the helium atoms in the form of velocity which is sufficient to propel the latter beyond the effect of the earth's gravitation. Hydrogen is lost from our atmosphere in the same manner. But reservoirs of helium, trapped in small pockets of igneous rocks when the earth cooled, are constantly being released to the air as the rocks are weathered. (1)

Parrot Fever

"A Psittacosis Polly in the parlor may be just as dangerous as a Typhoid Mary in the kitchen," federal health officials are warning. Federal regulations restricting importation of parrots and love birds are now being considered as a means of preventing a re-occurrence of the 1933 epidemic of parrot fever from which a number of persons died. Much in the same way as certain healthy persons can carry typhoid fever, these birds can transmit parrot fever to other birds and to humans without being unhealthy themselves. (2)

Time

Standard time is only sixty years old. Formerly it was customary to use "local" time. But the advent of means of rapid communication caused considerable confusion until the Englishman, Sir Sandford Fleming, suggested, in 1878, that the globe be divided into 24 time belts, each 15 degrees of longitude in width and each marking a difference of one hour in time. (3)

Luminous Stones

Many of the well-known gems, as well as many other minerals, have the property of fluorescing upon being rubbed or pressed. Some diamonds will store up the light of the sun and emit it in the dark. (4)

For more complete discussion of the above items, consult recent periodicals as follows: (1) Nature, Dec. 10, 1938, p. 1019; (2) Science News Letter, Dec. 24, 1938, p. 411; (3) Nature, Dec. 10, 1938, p. 1032; (4) Scientific Monthly, Dec., 1938, p. 496.



Wellesley Woes

At a dance on the Wellesley grounds the other night we wandered up to a friend of ours who looked strangely blue in such scenic surroundings.

"You know," he remarked gloomily, "this place is uncanny."

"Uncanny?" we replied absently, mindlessly eyeing a bit of the local color.

"Sure," obtruded a third party to the conversation, "it is; except in the library when you go to the left and downstairs to the end of the corridor."

Again, Dorm Sports

Again it is dorm sport which crashes through to add a dash of color to the sordid life of a Tech man (adv.). Well-known are the two principal dormitory pastimes of brownbagging and waterbagging. Also w.k. are the tug-of-war games with freshman bed-spreads, the games of hockey played in the halls (preferably on Thursday nights) with beer-cans and broomsticks, and the carbide cannon affectionately dubbed "Hayden Battery A".

All these, however, fade into insignificance in comparison with the brilliant new brainstorm of the super-heated master minds who conceived the idea of flooding the showers and holding goldfish races therein. No sooner conceived than executed. Two alleys were constructed down which the goldfish streaked valiantly, carrying their owners' banners to victory amid the cheers of the assembled multitude. Having witnessed the thrilling event, The Lounge can truthfully state that for enthralling interest and breath-taking suspense, goldfish races are virtually without compare.

In what other major sport, for instance, can one never, until the final bell is sounded, be absolutely sure that one of the contestants will not suddenly reverse his direction of travel and swim intrepidly toward his erstwhile starting point? But enough said, for in the future the two rugged sportsmen will race their fish no longer. It seems they are complaining that (a) the clamoring throngs of spectators scared the temperamental critters out of a year's mental growth, and (b) the piscine speedsters are developing Athlete's Foot from the polluted water.

Honors-Group

(Continued from page 1)

special interests, and to develop a scholarly attitude toward the scientific and economic studies which form the major part of engineering curricula.

Honors-Group Last Two Years

Honors-Groups at the Institute are formed in the junior and senior years. At present there are eight men in the Senior and seven in the Junior group. They are not chosen solely on the basis of scholastic standing; they have to show an intrinsic interest in their field of study and be mature enough to take the responsibilities which are incorporated in the program. Members of the group are not required to attend regularly scheduled classes, but are nevertheless held responsible for all the work. Each student, as the plan is carried out at present, attends two weekly seminars in some of his subjects. In these sessions more comprehensive problems than those usually presented in the regular classes are attacked. The seminars also serve as a clearing house where laboratory work, reading matter, and other phases of the student's work are discussed.

No Term Quizzes

Students in the Honors-Group do not take the term examinations or the unannounced quizzes, but they are expected to pass the regular quizzes except for the first term of the Senior year when these quizzes are waived in favor of the pending comprehensive examinations.

These latter examinations consist of a number of project type questions for which the juniors are allowed one week, the seniors two. In the Junior year these examinations are preceded

(Continued on Page 3)

Honors-Group

Reviews and Previews

SYMPHONY HALL—Georges Enesco, the distinguished composer and conductor, who appeared with the Boston Symphony Orchestra last season, will return to conduct the Symphony concerts of next Friday afternoon and Saturday evening, January 13-14, in Symphony Hall, the concert on the preceding Thursday in Sanders Theater, Cambridge, and the third pair of concerts of the Monday evening and Tuesday afternoon series, on January 16 and 17. At the Friday and Saturday concerts and also in Cambridge, Mr. Enesco will present the "Haffner" Symphony of Mozart, in D major, no. 385. It has been announced that Sergei Rachmaninoff will appear Sunday afternoon, January 22 at 3:30.

SHUBERT—Victoria Regina, Laurence Housman's historical panorama and modern classic and Helen Hayes' most popular play, was brought back by Miss Hayes last night for a week's engagement.

COPLEY—Following a successful two weeks' production of *A Moral Entertainment*, the Federal Theatre will again turn to classical drama when it presents a streamlined version of Shakespeare's *MacBeth*. This will be handled in the manner of Orson Welles' *Caesar*, and Elliott Duvey's *Tragic History of Doctor Faustus*. Glenn Wilson, who played the title role in the Marlowe drama will take the part of Macbeth. The two-week run at the Copley will begin on Jan. 31.

FINE ARTS—Grand Illusion, a "war film without a single battle," is the excellent new French film at the Fine Arts Theatre. Produced by Jean Gabin, the story is a sympathetic, thorough investigation of the lives and attitudes of three prisoners in a wartime German prison camp, commanded by Von Rauffenstein, Eric von Stroheim). Particularly vital are the characterizations by Pierre Fresnay as the aristocratic French officer, Captain Bildieu; Jean Gabin as Marachel, middle-class mechanic; and Dalio as the wealthy Rosenthal.

KBITH MEMORIAL—There's That Woman Again, with Virginia Bruce and Melvyn Douglas now playing here. This picture will be particularly interesting and amusing to the Thin Man fans. Also Jackie Cooper in *Newsboys' Home* with Wendie Barrie and Edmund Lowe.

UPTOWN—Angels with Dirty Faces, and Just Around the Corner. The former picture with James Cagney and Pat O'Brien. Also the latest issue of the March of Time.

SCOLLAY and MODERN—Artists and Models Abroad with Jack Benny and Joan Bennett. Also Ride a Crooked Mile with Akim Tamiroff.

UNIVERSITY—Drums with Sabu. Also Blondie.

REPERTORY—Spencer Tracy in Big City.

Ghosts

(Continued from Page 1)

doors for wind pressure", declared Mr. A. V. Smith, Superintendent of Buildings and Power.

"You see," he continued, "every time the wind pressure changes, we have to send a man down to the basement to check the speed at which the doors close. Otherwise, they might give somebody a run for his money to get through with his heels attached. However, having watched the doors during the process, I heartily agree that if a ghost were the cause of this, he certainly would have to be a lively spirit to keep up with the doors."

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WINTER SPORTS CALENDAR

VARSITY HOCKEY

P. E. KEITEL, Manager
M. E. Drury, Capt.
GEORGE OWEN, Coach

Jan. 12—N. H. Univ.	Home
Feb. 4—Army	Away
Feb. 7—Boston Univ.	Home
Feb. 9—N. H. Univ.	Away
Feb. 14—Middlebury Col.	Home
Feb. 17—Colby	Home
Feb. 18—Bowdoin	Home
Feb. 21—Boston College	Home
Feb. 24—Northeastern	Home

VARSITY BASKETBALL

K. S. LEVY, Manager
T. F. CREAMER, Capt.
H. P. McCarthy, Coach

Jan. 7—Bates	Away
Jan. 12—Lowell Textile	Home
Feb. 12—Boston Univ.	Home
Feb. 17—Brown	Away
Feb. 24—Clark	Home
Mar. 1—Tufts	Home

VARSITY FENCING

N. NIEPOLD, Manager
H. ISBENJIAN, Capt.
DR. G. MACERATA, Coach

Feb. 11—Amherst	Away
Feb. 18—Brown	Home
Feb. 24—Bowdoin	Away
Mar. 25—Barnmouth	Away
Mar. 3—Boston College	Home
Mar. 10—Harvard	Away
Mar. 11—Hamilton	Home
Mar. 17—Columbia	Home
Mar. 18—C. C. N. Y.	Away
Mar. 31—Intercollegiate	Away

VARSITY TRACK

W. W. MERRILL, Mgr.
J. S. HAMILTON, Capt.
O. E. HEDLUND, Coach

Jan. 21—K. C. Relay Tryout	Home
Jan. 28—E. of C. Games	Home
Feb. 4—Millrose Games	Away
Feb. 11—E. A. A.	Home
Mar. 1—Indoor Interclass	Home
Mar. 4—I. C. A. A. A.	Away

VARSITY SWIMMING

W. R. WHITE, Manager
W. S. BREWSTER, Capt.
J. J. JAROSH, Coach

Jan. 7—Bowdoin	Away
Jan. 11—Boston U.	Home
Jan. 14—Wesleyan	Away
Feb. 10—Trinity	Home
Feb. 12—Conn. State	Home
Feb. 25—Bates	Home
Mar. 4—E. P. I.	Home
Mar. 10—Intercollegiate	Away
Mar. 11—Intercollegiate	Away

VARSITY SQUASH

B. HOFFMAN, Manager
W. F. BABCOCK, Capt.
J. L. SUMMERS, Coach

Jan. 7—Yale	Away
Jan. 11—Trinity	Home
Feb. 11—Amherst	Away
Feb. 24—Intercollegiate	Away
Feb. 25—Intercollegiate	Away
Mar. 4—Wesleyan	Away
Mar. 11—Trinity	Away

VARSITY GYMNASICS

TED BRUSH, Mgr.
B. EMERSON, Capt.
HERBERT FORSELL, Coach

Feb. 18—Dartmouth	Away
Feb. 25—Temple	Home
Mar. 4—Princeton	Away
Mar. 11—Navy	Away
Mar. 11—M.I.T. Scholastics	Home
Mar. 18—Army	Home
Apr. 1—Intercollegiate	Away

VARSITY WRESTLING

P. V. BOLLERMAN, Mgr.
J. C. VYVERBERG, Capt.
JAY RICKS, Coach

Jan. 9—Harvard	Away
Jan. 11—Amherst	Home
Jan. 14—Brown	Home
Feb. 11—Williams	Home
Feb. 14—Tufts	Home
Mar. 4—Springfield	Away

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Basketball

(Continued from Page 1)

within one point of erasing the Tech lead. In the fourth period they kept up the accurate shooting and soon they were four points ahead of the Tech quint.

A basket by Wilson, Tech center and two foul shots by Samuels tied the score up with four minutes to play. Again the Bates team forged into the front on a beautiful shot from the corner. With one minute to go another Tech basketball from the center of the court by 6' 4" Dick Wilson tied the score. Both teams missed attempts at the basket until a foul was called on Bates in the last fifteen seconds. Hap Farrell, Tech guard, calmly looped the ball through the basket for the winning point.

Samuels Leads Tech Scoring

Howie Samuels led the Tech scoring with twelve points with Dick Wilson and Capt. Creamer following closely with 11 and 8 respectively.

The team will be after their fifth win of the year when they play host to Lowell Textile in the hangar gym on Friday night.

The summaries:

M.I.T.	Gls.	Fts.	Pts.
Samuels, lf	5	2	12
Cluck, lf	0	0	0
Herzog, rf	0	0	0
Wilson, rf	5	1	11
Schneider, c	2	1	5
Mason, c	0	0	0
Creamer, lg	3	2	8
Farrell, rg	1	1	3

BATES	Gls.	Fts.	Pts.
Crosby, lf	4	1	9
Belliveau, lf	2	0	4
Rafferty, rf	1	0	2
Gorman, rf	2	0	4
Woodbury, c	5	1	11
Stover, c	1	0	2
Coel, c	1	0	2
Wittry, lg	0	1	1
Wilder, lg	0	0	0
Briggs, rg	1	0	2
Haskell, rg	0	1	1

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Tech Racqueteers Lose To Undefeated Eli Team

Technology Squash team bowed in defeat before the unvanquished Yale racquets last Saturday at New Haven with a score of 5 to 0.

It was Yale's 30th consecutive victory in three years. However, Bob Millar, '40, and Alex Thackara, '39 extended their Eli opponents to five sets. The other Tech racquets were welded by Bill Babcock, '39, Irv Peskoe, '39, and Al Barton, '40.

Scores were as follows:

Capt. Muir defeated Babcock, 15-9, 18-15, 15-12; Sullivan defeated Millar, 15-12, 18-15, 10-17, 15-8, 15-12; Harding defeated Peskoe, 15-9, 15-6, 15-9; Waters defeated Thackara, 16-13, 15-10, 10-14, 14-10, 15-10; Flaherty defeated Barton, 15-13, 15-13, 15-10.

Glass

(Continued from Page 1)

should have been. The presence of paradichlorobenzene, organic acids, and traces of "Gone With The Wind" have not as yet been explained by the analytical laboratories of THE TECH.

The "invisible glass beaker" was turned over to the Testing Materials Laboratory of THE TECH, where Joseph Blowe '40.99, recognized authority on invisible glass, subjected it to further tests to prove that the exhibit was a fraud. A sharp blow of the special hammer used to test the tensile strength of invisible glass, and also used to find its Blowe Constant, was given the "beaker". Then Blowe bravely thrust his hand into the unseen fragments, where, if he found his hand cut upon extricating it, it would be definitely proved, contrary to analysis, that invisible glass was present. Blowe's hand was unhurt, so it may be safely assumed that no glass was present.

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M.I.T. Mermen Lose To Bowdoin's Team

Howard And Morganthaler Take Only First Places For Technology

Last Saturday the Tech natators were defeated by a powerful Bowdoin swimming team, the resulting score being 50 to 25. Bowdoin's superior material gave them first place in seven of the nine events.

Morganthaler of Tech took first place in the 220-yd. breast stroke event, covering the course in 2 min. 54.1 seconds. Morganthaler has been performing well during the past few weeks, and, according to Manager W. R. White, is coming along nicely.

Howard, Sexton Capture Dives

The only other first place taken by Technology was in the diving. Dave Howard and John Sexton of M.I.T. finished first and second respectively in this event. Both these divers are two of the mainstays of our team. Their performances are consistently of excellent calibre as is shown by the numerous victories they have chalked up so far. An interesting fact is that these divers, who have been taking first and second places alternately for Tech in the diving events, are very close friends and have been so for many years. At present both are Sophomores. They studied together in the same preparatory schools.

While this season's record of our swimming team isn't too commendable, the squad does include some fine swimmers. They have broken two of our swimming records. Bill Schuler has broken the 50-yd. free style record and the 300-yd. medley record has been broken by W. Brewster, Captain, Bill Schuler and Sears Williams is the breast stroker.

This Wednesday the M.I.T. mermen will meet Boston University's team in the University Club Pool. The meet starts at 8 p.m., and is open free of admission to Technology students and their friends.

The results of the meet with Bowdoin last Saturday are as follows:

200-yd. medley relay—Won by Bowdoin (Fisher, Marble, Cooper). Time—3 min. 15.1-58.

220-yd. free style—Won by Carlson (B); second, Dunbar (B); third, McEvoy, (T). Time—2m. 37.2-58.

50-yd. free style—Won by White (B); second, Schuler (T); third, James (B). Time—23.4-58.

100-yd. free style—Won by White (B); second, Cooper (B); third, Martin (T). Time—54.8.

150-yd. back stroke—Won by Fisher (B); second, Dunbar (B) third, Brewster (T). Time—1m. 46.1-58.

220-yd. breast stroke—Won by Morganthaler (T); second, Williams (T); third, Jenkins (B). Time—2m. 54.1-58.

140-yd. free style—Won by Downer (B); second, Howard (T); third, Barr, (B). Time—5m. 53.3-58.

Diving—Won by Howard (T), 8.51; second, Sexton (T), 8.123; third, Reels, (B), 54.1.

100-yd. relay—Won by Bowdoin (James, Carlson, Marble, Pennell). Time—3m. 54.3-58.

Invisible glass not of this type has been invented simultaneously by a researcher at the General Electric Laboratories in Schenectady, and one here at the Institute.

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Tech Swordsmen To Duel For Epee and Foil Titles

The Tech fencers will be kept busy swinging their spees and foils this coming week with two novice and one varsity fencing matches.

M.I.T. will be the host to the New England Novice Epee Title Match this Wednesday in the Walker Gym. with about six New England Colleges to be represented. Three fencers will dual for M.I.T., though as yet they have not been chosen.

The Technology folsmen will turn out in full strength for the Intercollegiate New England Foils Title to be held this Monday at the Salle D'Armes Perol. The winner or New England Foils Champion and his runner-up will enter the National Title Match to be held in New York. The Tech entries are certain that at least one of their number will go to New York. The Tech entries in the New England Match are Hrant Isbenjian, '40, this year's captain, Wm. Postman, '39, last year's captain, Amos Shaler, '40, runner-up in the last year Olympic Foils tryout, John Bech, '40, Horace Adelson, '41 and Edward Sherburne, '41.

Two Tech Sophomores fenced last night in a New England Novice Foil Match at the Salle D'Armes Perol, a private fencing room belonging to Harvard's fencing Coach Mr. Perol. They are Horace Adelson and Edward Sherburne, both who were on the freshman team last year.

Honors-Group

(Continued from page 2)

by preliminary oral and written quizzes, and for the Seniors they are accompanied by shorter problems which have to be solved in a limited time, followed by oral examinations. The examinations are made up by members of the staff, assisted by two engineers from industry and a faculty member from another university.

Plan Has Weaknesses

Many weaknesses in the Honors-Group plan have been discovered in the course of time. Students used to be chosen nearly exclusively on the basis of their scholastic rating. This system proved unsatisfactory and was changed along with many other details. Many difficulties still have not been overcome. More seminars would be desirable. The waiver of attendance requirements can backfire easily in the hands of a student who has not learned to accept responsibility. On the whole, however, the Electrical Engineering department considers the plan a success. Most students continue in their chosen fields after graduation. They are apt to leave the Institute with a broader background and a mature outlook, a great asset in modern industry.

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New Hampshire Next Puck Foe

Squad All Set For Victory After Lake Placid Tournament

This Thursday night in the Boston Arena will see M.I.T. hockey team after victory in their last game before exams, when they tackle the New Hampshire sextet at 8:00.

After the showing which the sextet made in the Lake Placid Tournament during Christmas Vacation, the Tech team is expected to win their first home game of the season. George Carnick, star goalie of the M.I.T. sextet, has finally found the form which last year gained him New England Recognition.

This is expected to be a large factor in the future games of the team. The formidable line of Neal Drury, last year's captain, Amos Shaler, '40, runner-up in the last year Olympic Foils tryout, John Bech, '40, Horace Adelson, '41 and Edward Sherburne, '41.

The men that will probably see action in the game Thursday night are: Browning, Grace, Langs, Hilliker, Cadogan, Carnick, Waller, Drury, Neal, Pickard, Danforth, Gordon, and Gregory.

Institute Chess Team Defeats Cambridge Y

The M.I.T. chess team defeated the Cambridge Y.M.C.A. chess team 3½-2½ in a match played Saturday, December 17, 1938.

The score:

M.I.T.	Cam. Y.M.C.A.
E. Root, G. 0	Michael 1
A. Shapiro, '42 ... 1	Chauvenet 0
G. Farrell, '41 ... 1	Burke 0
J. Pollin, '41 ... 1	Elliott 0
W. McDonald, '40 ... 0	Kollen 1
L. Finizie, '42 ... ½	Johnson ½

3½ 2½

The features of the match were a brilliant twelve move game by Pollin and a four-hour masterly played game of over a hundred moves by Finizie.

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CALENDAR

TUESDAY, JANUARY 10

- 4:00 P.M. Debating Society Meeting—West Lounge.
5:00 P.M. Aero Society Meeting—North Hall.
6:00 P.M. Tau Beta Pi Dinner—Faculty Room.
7:00 P.M. Orchestra Rehearsal—Walker Lounge.
8:00 P.M. Chemical Society Meeting—6-120.

WEDNESDAY, JANUARY 11

- 2:00 P.M. Dorm Basketball Practise—Hangar Gym.
6:00 P.M. Senior House Dinner—North Hall.
6:00 P.M. Basketball Team Guests Dinner—Silver Room.
6:15 P.M. Am. Soc. Civil Engineers Dinner—Main Hall.
7:00 P.M. Fencing Match—A.F.L.A.—Walker Gym.
8:00 P.M. Alpha Phi Omega Meeting—West Lounge.

THURSDAY, JANUARY 12

- 2:00 P.M. Aeronautical Engineers Society Lecture—2-390.
5:00 P.M. A.S.U. Motion Pictures—"Soil Erosion"—10-250.

FRIDAY, JANUARY 13

- 6:00 P.M. Basketball Team Guests Dinner—Silver Room.
8:00 P.M. Catholic Club Dance—Main Hall.

Tech Inquires

(Continued from Page 1)

S. P. Felix, Jr., '39, Dorms, XV-1

Inasmuch as figures prove the inadequacy of the present Air Corps in the U.S., it would be most desirable from a national point of view.

From the student's viewpoint, I should say that the plan would be well received, inasmuch as many of my acquaintances would welcome an opportunity to learn flying.

Until more concrete plans are laid, it is impossible for one to consider the feasibility of such a plan operated by the Institute.

H. Brach, '42, Commuter, V

The training of students to be pilots would certainly have a great advantage, if, after school, a thorough training in the army would follow. As it is, a training at school could hardly lead to any completion.

Alpha Phi Omega Scouts To Hear Dr. Thresher

Dr. B. Alden Thresher, Director of Admissions at the Institute, will speak on "Choosing Men for Tech," and Roy C. Heacock, '39, will speak on "The Hospital Troop" at a meeting of the Alpha Phi Omega scouting fraternity to be held Wednesday evening at 8:00 p.m. in the East Lounge of Walker Memorial.

Officers elected by the A.P.O. last meeting were: Norman R. Scott, '40, president; Richard C. Babish, '40, vice-president; Charles MacKinnon, '39, secretary; Henry Pohndorf, '41, treasurer; Alvin Guttag '40, historian; and Robert V. Gould, '40, alumni secretary.

Jackson

(Continued from Page 1)

Jackson has held several positions in engineering and electrical companies, served on the faculty of Wisconsin University, and from 1907 until 1935, he was head of the electrical engineering department at M.I.T., in which position he notably wove research into the fabric of engineering education.

Moreover, Doctor Jackson has served his country in the army and in the engineering diplomatic service, and now holds honorary awards from England, France, and the United States. He is the author of five books on electrical engineering and approximately 150 articles related to engineering projects and education. His excellent work has won him honorary degrees from both Columbia and Northeastern Universities.

The Edison Medal, founded by associates and friends of Thomas A. Edison to perpetuate his memory and memory of his great works, is awarded annually for "meritorious achievement in electrical science, electrical engineering, or the electrical arts" by a committee of twenty-four of the leading members of the American Institute of Electrical Engineers.

Infirmary List

Walter C. Kahn, Jr., '40; Juan P. Pedretti, '42; Max Schweinhaut, '41; William L. Sweet, '40.

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T.C.A.'s Ticket Service Announces \$10,000 Sales

The T.C.A. ticket service obtained nearly ten thousand dollars worth of tickets for the students during the two weeks before Christmas vacation, it was announced by James J. Shipman, '40, last night.

Significant in the listings of the various transportation systems is the very large total of \$3000 worth of airplane tickets. This falls only about \$200 short of the tickets sold for the Boston and Albany Railroad, the largest single carrier service.

Prom

(Continued from Page 1)

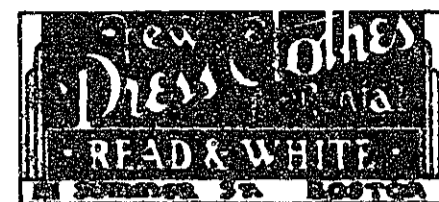
hardly known, and it is only in the last six or eight months that he has taken his place among the big name bands of the country. In this period he has played for many leading colleges, including Yale and Princeton, over numerous national radio hookups, and made a number of recordings for R.C.A. Victor.

Details concerning the price of tickets and the dates of their sale have not been decided upon as yet. However, preference will be given to Juniors in the purchase of options. Although options for March 3 have been secured with several hotels, the site of the prom has not yet been made public.

de Forest

(Continued from Page 1)

graduated from the Institute in 1912. He joined the instructing staff in 1934. In 1928 the American Society for Testing Materials awarded him the Dudley Medal for a paper on methods for testing materials and in 1936 the Franklin Institute awarded him the Longstreth Medal.



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